

FIG. 1

SYS MOBILE IP NETWORK SYSTEM

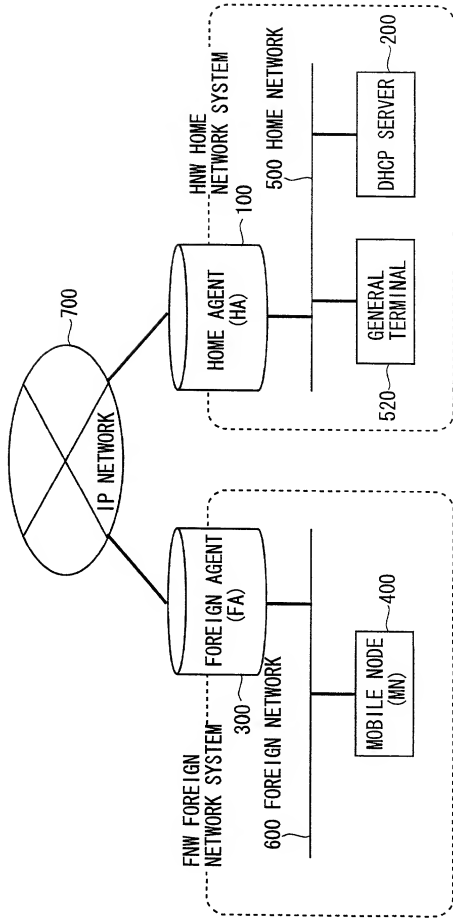


FIG. 2

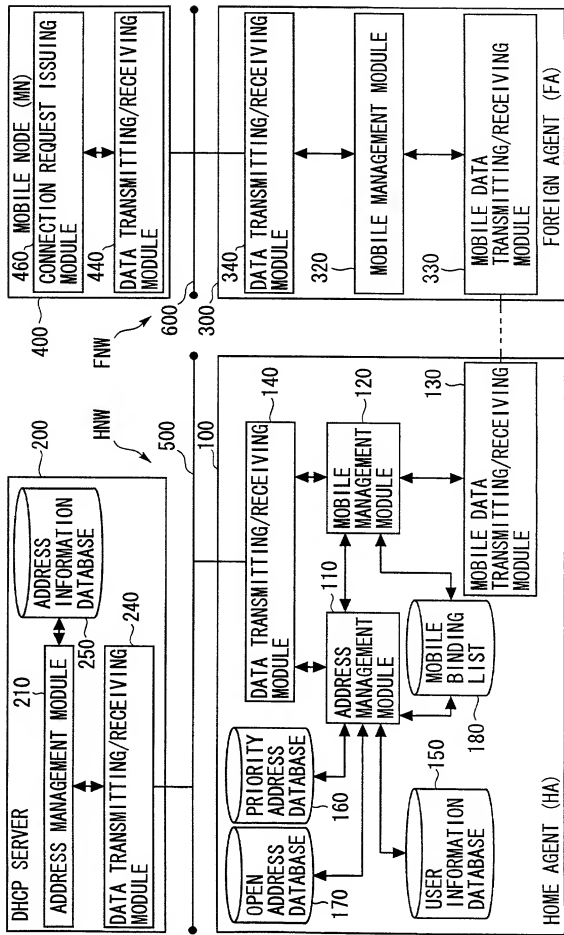


FIG. 3A

USER_IDENTIFIER(OWN_MAX)	USER_PRIORITY
aaa1	PRIORITY A
aaa2	PRIORITY A
aaa3	PRIORITY A
aaa4	PRIORITY A
aaa5	PRIORITY A
bbb1	PRIORITY B
bbb2	PRIORITY B
bbb3	PRIORITY B
bbb4	PRIORITY B
bbb5	PRIORITY B
bbb6	PRIORITY B
bbb7	PRIORITY B
bbb8	PRIORITY B
bbb9	PRIORITY B
bbb10	PRIORITY B

FIG. 3B

[illegible]

FIG. 3C

[illegible]

FIG. 3D

[illegible]

*: ASSUMING THAT 15 USERS (PRIORITY-A USERS: aaa1-aaa5, PRIORITY-B USERS: bbb1-bbb5) ARE REGISTERED IN THE
 * FIVE PRIORITY-A USERS ARE REGISTERED, AND IT IS THEREFORE ASSUMED THAT HA ACQUIRES IP ADDRESSES
 * FOR 3 PRIORITY-A USERS BEFOREHAND

FIG. 8A

USER IDENTIFIER (MN-NA)	USER	PRIORITY
aaa1	PRIORITY A	150
aaa2	PRIORITY A	
aaa3	PRIORITY A	
aaa4	PRIORITY A	
aaa5	PRIORITY A	
bbb1	PRIORITY B	160
bbb2	PRIORITY B	
bbb3	PRIORITY B	
bbb4	PRIORITY B	
bbb5	PRIORITY B	
bbb6	PRIORITY B	
bbb7	PRIORITY B	
bbb8	PRIORITY B	
bbb9	PRIORITY B	
bbb10	PRIORITY B	

FIG. 8B

ADDRESS	ACTIVE USER IDENTIFIER (MN-NA)	ACTIVE USER PRIORITY
aaa.aaa.aaa.aaa1	aaa1	PRIORITY A
aaa.aaa.aaa.aaa2		
aaa.aaa.aaa.aaa3		

FIG. 8C

ADDRESS	OPEN TIME	FORCED DELETE RANK
		170

*1: ADDRESS bbb. bbb. bbb. bb1 IS MADE OPEN

FIG. 8D

ACTIVE USER IDENTIFIER (MN-NA)	ACTIVE ADDRESS	ACTIVE USER PRIORITY
aaa1	aaa.aaa.aaa.aaa1	PRIORITY A

180

FIG. 12A

USER_IDENTIFIER(MN-NA)	USER_PRIORITY
aaa1	PRIORITY A
aaa2	PRIORITY A
aaa3	PRIORITY A
aaa4	PRIORITY A
aaa5	PRIORITY A
bbb1	PRIORITY B
bbb2	PRIORITY B
bbb3	PRIORITY B
bbb4	PRIORITY B
bbb5	PRIORITY B
bbb6	PRIORITY B
bbb7	PRIORITY B
bbb8	PRIORITY B
bbb9	PRIORITY B
bbb10	PRIORITY B

FIG. 12B

[illegible]

FIG. 12C

ADDRESS	OPEN TIME	FORCED DELETE RANK

FIG. 12D

ACTIVE USER IDENTIFIER (MN-NAI)	ACTIVE ADDRESS	ACTIVE USER PRIORITY	LT
aaa1	aaa.aaa.aaa.aa1	PRIORITY A	
aaa2	aaa.aaa.aaa.aa2	PRIORITY A	
aaa3	aaa.aaa.aaa.aa3	PRIORITY A	
bbb1	bbb.bbb.bbb.bb1	PRIORITY B	
bbb2	bbb.bbb.bbb.bb2	PRIORITY B	
bbb3	bbb.bbb.bbb.bb3	PRIORITY B	
bbb4	bbb.bbb.bbb.bb4	PRIORITY B	
bbb5	bbb.bbb.bbb.bb5	PRIORITY B	
bbb6	bbb.bbb.bbb.bb6	PRIORITY B	
bbb7	bbb.bbb.bbb.bb7	PRIORITY B	
ccc1	ccc.ccc.ccc.cc1	PRIORITY C	
ccc2	ccc.ccc.ccc.cc2	PRIORITY C	
ccc3	ccc.ccc.ccc.cc3	PRIORITY C	
ccc4	ccc.ccc.ccc.cc4	PRIORITY C	

FIG. 13C

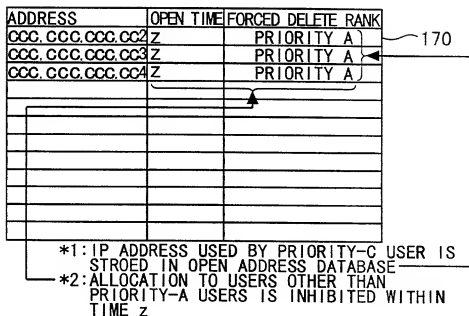


FIG. 13D

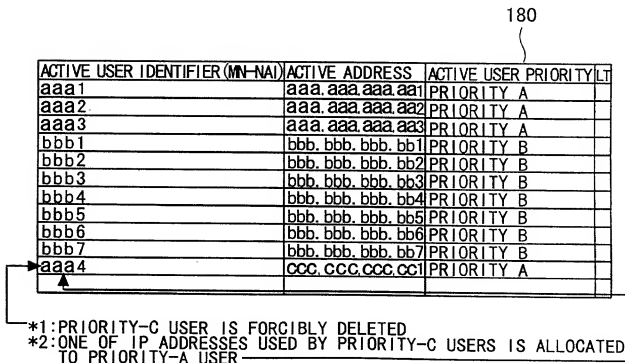


FIG. 14A

FIG. 14C

ADDRESS	OPEN TIME	FORCED DELETE RANK
ccc.ccc.ccc.cc2t	t	
ccc.ccc.ccc.cc3t	t	
ccc.ccc.ccc.cc4t	t	

170

*1: PREFERENTIAL ALLOCATION MODE TO PRIORITY-A USER IS SWITCHED OVER TO GENERAL ALLOCATION MODE BY CLEARING FORCED DELETE RANK AFTER ELAPSE OF PROTECTION TIME z OF FORCIBLY DELETED IP ADDRESS AND REWRITING STORAGE CONTENT WITHIN OPEN TIME t, AND OBTAINED IP ADDRESS IS RETURNED TO DHCP SERVER AFTER ELAPSE OF OPEN TIME t. IF REGISTRATION REQUESTS ARE GIVEN FROM PRIORITY-A, -B AND -C USERS, IP ADDRESSES STORED IN OPEN ADDRESS DATABASE ARE ALLOCATED

FIG. 14D

ACTIVE USER IDENTIFIER (MN-NAI)	ACTIVE ADDRESS	ACTIVE USER PRIORITY	LT
aaa1	aaa.aaa.aaa.aan	PRIORITY A	
aaa2	aaa.aaa.aaa.aan	PRIORITY A	
aaa3	aaa.aaa.aaa.aan	PRIORITY A	
bbb1	bbb.bbb.bbb.bb1	PRIORITY B	
bbb2	bbb.bbb.bbb.bb2	PRIORITY B	
bbb3	bbb.bbb.bbb.bb3	PRIORITY B	
bbb4	bbb.bbb.bbb.bb4	PRIORITY B	
bbb5	bbb.bbb.bbb.bb5	PRIORITY B	
bbb6	bbb.bbb.bbb.bb6	PRIORITY B	
bbb7	bbb.bbb.bbb.bb7	PRIORITY B	
aaa4	ccc.ccc.ccc.cc1	PRIORITY A	

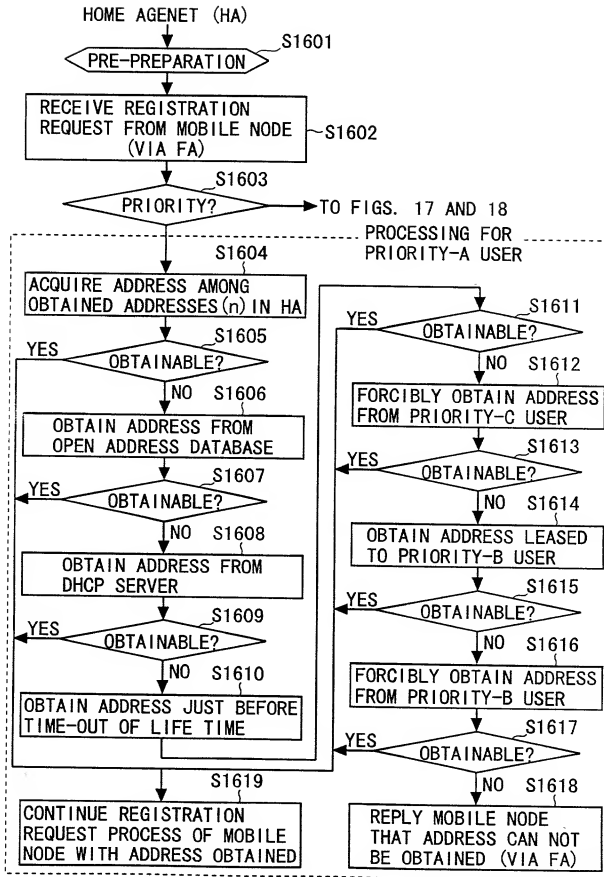
180

FIG. 15

250 ADDRESS INFORMATION DATABASE

LEASE IP ADDRESS	CLIENT IDENTIFIER	LEASE TIME	
nnn. nnn. nnn. nn1	abc1	l	←ON-LEASE OF nnn. nnn. nnn. nn1 TO CLIENT abc1
nnn. nnn. nnn. nn2	abc2	m	←ON-LEASE OF nnn. nnn. nnn. nn2 TO CLIENT abc2
nnn. nnn. nnn. nn3	abc3	n	←ON-LEASE OF nnn. nnn. nnn. nn3 TO CLIENT abc3
nnn. nnn. nnn. nn4			←UNUSED (FREE)
•			
•			
•			
nnn. nnn. nnn. nnnn			←UNUSED (FREE)

FIG. 16



1003558.12701

FIG. 17

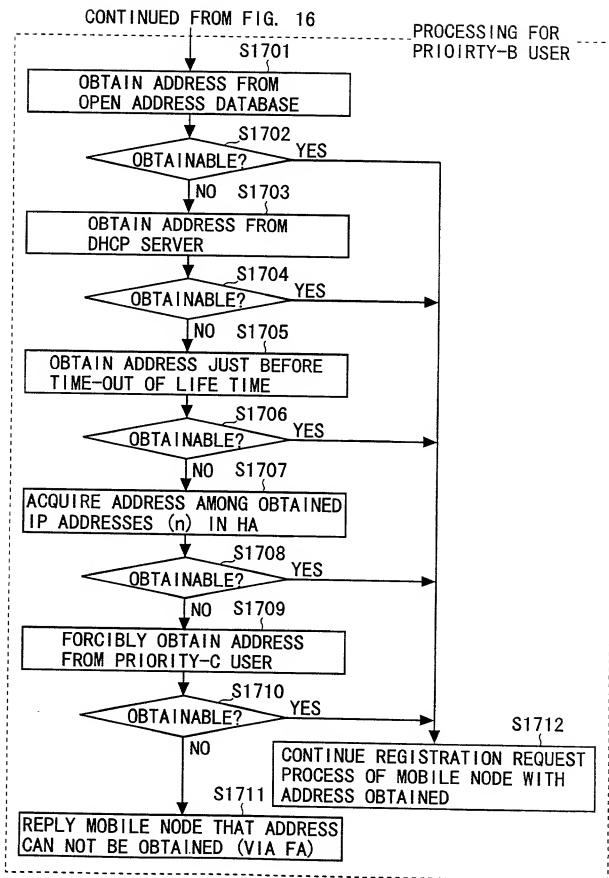
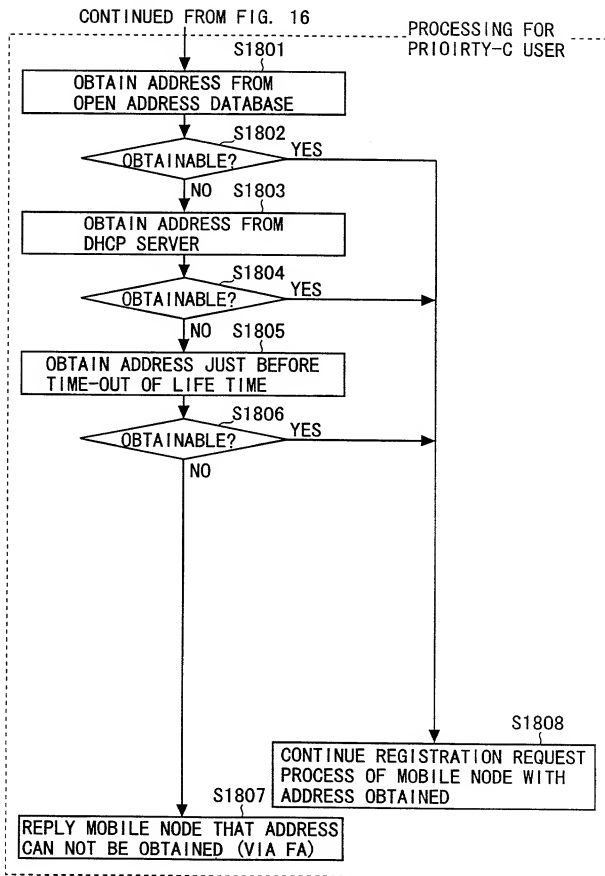


FIG. 18



10033558-122701

FIG. 19A

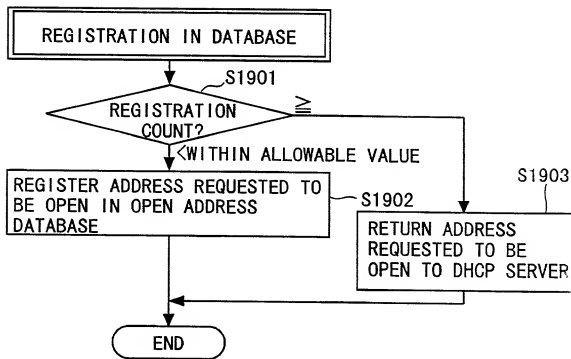


FIG. 19B

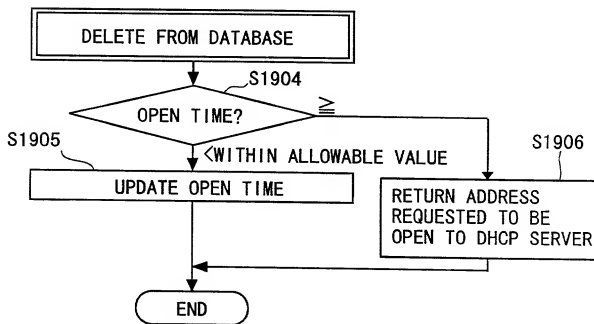


FIG. 20

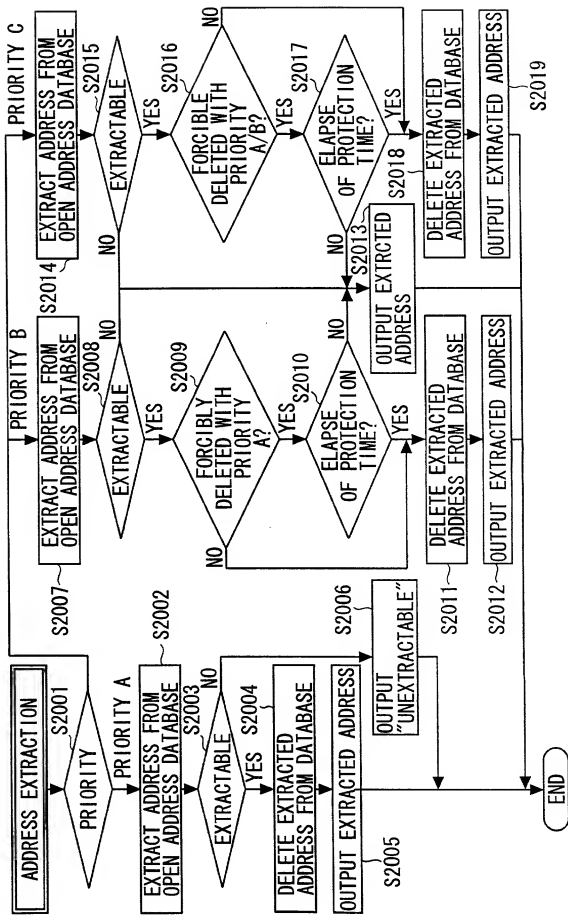


FIG. 21A

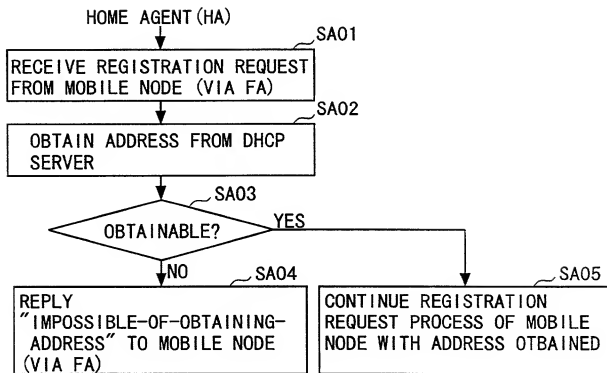


FIG. 21B

